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Substitute for form 1449A/PTO				<div>Complete if Known</div> <table border="1"> <tr> <td>Application Number</td> <td>09/393,126</td> </tr> <tr> <td>Filing Date</td> <td>09/10/99</td> </tr> <tr> <td>First Named Inventor</td> <td>Roberto AIELLO et al.</td> </tr> <tr> <td>Art Unit</td> <td>2666</td> </tr> <tr> <td>Examiner Name</td> <td>ABELSON, Ronald</td> </tr> <tr> <td>Attorney Docket Number</td> <td>30287-30</td> </tr> </table>		Application Number	09/393,126	Filing Date	09/10/99	First Named Inventor	Roberto AIELLO et al.	Art Unit	2666	Examiner Name	ABELSON, Ronald	Attorney Docket Number	30287-30
Application Number	09/393,126																
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Examiner Name	ABELSON, Ronald																
Attorney Docket Number	30287-30																
<div>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div>(use as many sheets as necessary)</div>																	
Sheet	1	of	2														

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Examiner Signature	<i>Kon Nelson</i>	Date Considered	10/17/23
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/393,126		
		Filing Date	09/10/99		
		First Named Inventor	Roberto AIELLO et al		
		Group Art Unit	2666		
		Examiner Name	ABELSON, Ronald		
Sheet	Sheet No. 2	of	2	Attorney Docket Number	30287-30

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
RA		FERNANDO RAMIREZ-MIRELES, "On Performance of Ultra Wideband Signals in Gaussian Noise and Dense Multipath," Paper 99C265, Accepted for Publication in the IEEE Transactions on Vehicular Technology, Pages 1-9.	
RA		FERNANDO RAMIREZ-MIRELES et al., "N-Orthogonal Time-Shift-Modulated Codes for Impulse Radio," Communication Sciences Institute, Department of Electrical Engineering-Systems, University of Southern California, Los Angeles, CA 90089-2565 USA, Pages 1-4.	
RA		HENNING F. HARMUTH, "Fundamental Limits for Radio Signals With Large Bandwidth," IEEE Transactions on Electromagnetic Compatibility, Vol. EMC-23, No. 1, February 1981, Pages 37-43.	
RA		HENNING F. HARMUTH et al., "Large-Current, Short-Length Radiator for Nonsinusoidal Waves," IEEE International Symposium on Electromagnetic Compatibility, 1983, Pages 453-456.	
RA		HENNING F. HARMUTH, "Frequency-Sharing and Spread-Spectrum Transmission with Large Relative Bandwidth," IEEE Transactions on Electromagnetic Compatibility, Vol. EMC-20, No. 1, February 1978, Pages 232-239.	
RA		HENNING F. HARMUTH, "Applications of Walsh functions in communications," IEEE Spectrum, November 1969, Pages 82-91.	
RA		AETHER WIRE & LOCATION, INC., ROBERT FLEMING et al., "Integrated, Low-Power, Ultra-Wideband Transceivers for Distributed Position Location and Communication," Technical Abstracts of Proposal to Defense Advanced Research Projects Agency (DARPA), Part I - Technical Proposal, 1998, Pages 1-52.	
RA		AETHER WIRE & LOCATION, INC., ROBERT FLEMING et al., "Low-Power, Miniature, Distributed Position Location and Communication Devices Using Ultra-Wideband, Nonsinusoidal Communication Technology," Semi-Annual Technical Report Prepared for: ARPA/FBI, July 1995, Pages 1-40.	

Examiner Signature	<i>Ros Abelson</i>	Date Considered	10/17/03
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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**Complete if Known**

Application Number	09/393,126
Filing Date	September 10, 1999
First Named Inventor	Roberto AIELLO et al.
Art Unit	2666
Examiner Name	Abelson, R.
Attorney Docket Number	30287-30

## U. S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

[illegible]

**Examiner  
Signature**

Date Considered

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